

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0019	Overall LMA Rating	Total LMA Miles						
Tehama County Flood Control and Water Conservation District	M	13.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.11		1.11	7.95%	0.05			
Trim / Thin Trees	0.03		0.03	0.22%				
Encroachments	0.08		0.08	0.57%	0.84	0.74		
Animal Control	0.01		0.01	0.07%				
Slope Stability	0.18		0.18	1.29%				
Erosion / Bank Caving	0.05	0.03	0.17	1.22%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.15		0.15	1.07%				
DWR UCIP Field Study					0.17	0.06		
<i>LMA Totals:</i>	1.61	0.03	1.73	12.39%	1.06	0.80	0.00	0.00
Unit No. 01 Deer Creek LB	Overall Unit Rating	Total Unit Miles						
NA0019	A	4.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.95%				
Encroachments	0.01		0.01	0.24%	0.68	0.74		
Animal Control	0.01		0.01	0.24%				
Slope Stability	0.04		0.04	0.95%				
Erosion / Bank Caving	0.04		0.04	0.95%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.02		0.02	0.47%				
DWR UCIP Field Study					0.11	0.04		
<i>Unit Totals:</i>	0.16	0.00	0.16	3.79%	0.79	0.78	0.00	0.00
Unit No. 02 Deer Creek RB	Overall Unit Rating	Total Unit Miles						
NA0019	A	1.89						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.53%				
Encroachments	0.03		0.03	1.59%	0.06			
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	2.65%				
DWR UCIP Field Study					0.01	0.01		
<i>Unit Totals:</i>	0.09	0.00	0.09	4.77%	0.07	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Elder Creek LB		Overall Unit Rating	Total Unit Miles						
NA0019		M	3.98						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.46		0.46	11.55%					
Trim / Thin Trees	0.01		0.01	0.25%					
Encroachments	0.04		0.04	1.00%	0.09				
Slope Stability	0.14		0.14	3.52%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	0.06		0.06	1.51%					
DWR UCIP Field Study					0.02	0.01			
<i>Unit Totals:</i>	0.71	0.00	0.71	17.83%	0.11	0.01	0.00	0.00	

Unit No. 05 Elder Creek RB		Overall Unit Rating	Total Unit Miles						
NA0019		M	3.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.61		0.61	15.75%	0.05				
Trim / Thin Trees	0.01		0.01	0.26%					
Encroachments					0.01				
Erosion / Bank Caving	0.01	0.03	0.13	3.36%					
<i>Supplemental</i>									
2015 USACE Erosion Survey, DRAFT	0.02		0.02	0.52%					
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	0.65	0.03	0.77	19.89%	0.09	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/26/2016 - 4/26/2016		10/24/2016 - 10/24/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2015.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.00	Rating **	U	Issue No.	41
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.973077 °	39.971722 °
				-121.980344 °	-121.991869 °
DWR ID	DWR_NA0019_01_s_2016_41				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete-lined ditch on landside.					

Photo 1 of 1 : FA_2016_NA0019_78_41_20160823_00012.jpg



View of the concrete-lined ditch along landside.

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s_2013_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_17_20160823_00004.jpg



View of the erosion along the landside slope.

LM Start	0.02	Rating **	U	Issue No.	275
LM End	0.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.973128 °	39.973128 °
				-121.980734 °	-121.980734 °
DWR ID	DWR_NA0019_01_s_2014_275				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_275_20160823_00013.jpg



View of the irrigation pipe along the waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.17	Rating **	M	Issue No.	288
LM End	0.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.973302 °	39.973302 °
				-121.983538 °	-121.983538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39840 DS_ID:24684 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 36-inch concrete irrigation pipe through the levee 0.5-feet below the crown. Concrete canal and distribution struture on LS shoulder. FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_39840_39060.jpg



Outlet covered by tree trimmings.

LM Start	0.17	Rating **	M	Issue No.	288 (cont)
LM End	0.17	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_39840_39059.jpg



Pipe visible at WS outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.17	Rating **	M	Issue No.	290
LM End	0.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.973285 °	39.973285 °
				-121.983531 °	-121.983531 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39838 DS_ID:24685 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 24-inch concrete irrigation pipe through the levee 2-feet below the crown. Concrete canal and distribution strutture on LS shoulder. Concrete U-shaped headwall and flapgate on WS toe. FS Date: 10/2/2013					

Photo 1 of 1 : UCIP_FA_2016_39838_39058.jpg



Concrete U-shaped headwall and flapgate at WS toe.

LM Start	0.41	Rating **	M	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s_2013_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_18_20160823_00005.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

Photo 1 of 1 : FA_2016_NA0019_78_276_20160823_00014.jpg

08/23/2014

View of the erosion along the waterside slope.

Photo 1 of 1 : FA_2016_NA0019_78_19_20160823_00006.jpg



04/10/2013

View of the erosion along the landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.49	Rating **	M	Issue No.	291
LM End	0.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.972280 °	39.972280 °
				-121.989227 °	-121.989227 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:39839
DS_ID:24686
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No permit identified for crossing.
FIELD_STRUCT_DESC: 20-inch concrete irrigation pipe through the levee 2-feet below the crown. Concrete canal and distribution structure with slat boards on LS shoulder.
FS Date: 10/2/2013

LM Start	0.49	Rating **	M	Issue No.	291 (cont)
LM End	0.49	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_39839_39063.jpg



Concrete canal/distribution box on LS shoulder.

Photo 2 of 2 : UCIP_FA_2016_39839_39062.jpg



Concrete headwall at canal on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.67	Rating **	U	Issue No.	278
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.968642 °	39.968642 °
				-122.010494 °	-122.010494 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21729					
DS_ID:20770					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate blocked by soil buildup.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee 1.5-feet below the crown. Flap gate on the WS toe. Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_21729_36922.jpg



Flapgate on WS toe.

LM Start	1.67	Rating **	U	Issue No.	278 (cont)
LM End	1.67	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_21729_36921.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.79	Rating **	M	Issue No.	2
LM End	2.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.969443 °	39.966921 °
				-122.012261 °	-122.019469 °
DWR ID	DWR_NA0019_01_s_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_2_20160823_00001.jpg



View of an agricultural ditch along the levee toe.

LM Start	1.85	Rating **	M	Issue No.	32
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.969223 °	39.969223 °
				-122.013351 °	-122.013351 °
DWR ID	DWR_NA0019_01_f_2016_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.88	Rating **	M	Issue No.	289
LM End	1.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.969156 °	39.969156 °
				-122.013809 °	-122.013809 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39837					
DS_ID:24690					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch steel conduit through the levee at an unknown depth. Junction box off LS toe next to JP and roadway.					
Conduit visible on upstream side of bridge at Deer Creek crossing.					
FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_39837_39067.jpg



Communication box off LS shoulder next to roadway.

LM Start	1.88	Rating **	M	Issue No.	289 (cont)
LM End	1.88	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_39837_39066.jpg



Communication box on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.89	Rating **	U	Issue No.	279
LM End	1.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.969105 °	39.969105 °
				-122.014028 °	-122.014028 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21730					
DS_ID:20769					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate missing or buried on WS toe. Pipe partially blocked by soil on WS toe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 7-feet below the crown. Flap gate on the waterward end. 5'X5' concrete control structure on LS toe. Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_21730_36925.jpg



Pipe on WS toe with flapgate hinges.

LM Start	1.89	Rating **	U	Issue No.	279 (cont)
LM End	1.89	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_21730_36924.jpg



Outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.57	Rating **	M	Issue No.	281
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.966363 °	39.966363 °
				-122.025755 °	-122.025755 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22823					
DS_ID:20877					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall covered with soil. Needs to be cleared at both ends.					
FIELD_STRUCT_DESC: 24-inch Corrugated mtl pipe through the levee 5-feet below the crown. Calco automatic drainage gate.					
Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

Photo 1 of 1 : UCIP_FA_2016_22823_38941.jpg



Concrete headwall on LS toe.

LM Start	2.78	Rating **	M	Issue No.	39
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.964772 °	39.964772 °
				-122.029023 °	-122.029023 °
DWR ID	DWR_NA0019_01_s_2015_39				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion during high water.					

Photo 1 of 1 : FA_2016_NA0019_78_39_20161107_00056.jpg



View of the erosion along the waterside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.81	Rating **	C	Issue No.	40
LM End	2.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.964510 °	39.964510 °
				-122.029440 °	-122.029440 °
DWR ID	DWR_NA0019_01_s_2016_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild grapes impeding vehicle traffic. Recommend removal of vegetation.					

No Photos

LM Start	2.86	Rating **	M	Issue No.	282
LM End	2.86	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.963938 °	39.963938 °
				-122.030128 °	-122.030128 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22824 DS_ID:20767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe blocked by soil. FIELD_STRUCT_DESC: 24-inch pipe through the levee 6-feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-built drawings available 50-4-2394. FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_22824_38946.jpg



Flapgate blocked by soil and debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.86	Rating **	M	Issue No.	282 (cont)
LM End	2.86	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.963938 °	39.963938 °
				-122.030128 °	-122.030128 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22824 DS_ID:20767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe blocked by soil. FIELD_STRUCT_DESC: 24-inch pipe through the levee 6-feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-built drawings available 50-4-2394. FS Date: 10/2/2013					

Photo 2 of 2 : UCIP_FA_2016_22824_38945.jpg



Flapgate blocked by soil and debris.

LM Start	2.86	Rating **	M	Issue No.	38
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963928 °	39.963928 °
				-122.030120 °	-122.030120 °
DWR ID	DWR_NA0019_01_f_2014_38				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_38_20160823_00010.jpg



View of erosion from the cattle on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.88	Rating **	M	Issue No.	20
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963709 °	39.963709 °
				-122.030384 °	-122.030384 °
DWR ID	DWR_NA0019_01_s_2013_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_20_20160823_00007.jpg



View of the erosion along the landside slope.

LM Start	2.96	Rating **	M	Issue No.	1
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.962910 °	39.962724 °
				-122.031421 °	-122.031670 °
DWR ID	DWR_NA0019_01_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding. 2011 - New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DEC_2-4_L]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.06	Rating **	M	Issue No.	37
LM End	3.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.961798 °	39.961798 °
				-122.032723 °	-122.032723 °
DWR ID	DWR_NA0019_01_f_2015_37				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove the scrap equipment along the waterside toe.					

Photo 1 of 1 : FA_2016_NA0019_78_37_20160823_00009.jpg



View of the scrap equipment along the waterside toe.

LM Start	3.14	Rating **	M	Issue No.	33
LM End	3.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.948220 °	39.947059 °
				-122.046250 °	-122.050260 °
DWR ID	DWR_NA0019_01_f_2016_33				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.29	Rating **	M	Issue No.	283
LM End	3.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.947484 °	39.947484 °
				-122.049011 °	-122.049011 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22825 DS_ID:20766 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe buried. Water flows to low spot and dissappears, but pipe not visible. FIELD_STRUCT_DESC: 24-inch pipe through the levee 8-feet below the crown, flap gate on waterward end. Originally included in O+M manual (1957). As-built drawing No. 50-4-2394. FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_22825_38952.jpg



Low spot with water on LS toe.

LM Start	3.29	Rating **	M	Issue No.	283 (cont)
LM End	3.29	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_22825_38951.jpg



Low spot with water on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.46	Rating **	M	Issue No.	34
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946831 °	39.946831 °
				-122.051940 °	-122.051940 °
DWR ID	DWR_NA0019_01_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	35
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946051 °	39.946051 °
				-122.053985 °	-122.053985 °
DWR ID	DWR_NA0019_01_f_2016_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_35_20161107_00057.jpg



View of the vegetation along the landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.59	Rating **	M	Issue No.	286
LM End	3.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945964 °	39.945964 °
				-122.054229 °	-122.054229 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23007
DS_ID:24687
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No permit identified for this crossing.
FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through the levee, 6-feet below the crown. Flap gate on the waterward end.
FS Date: 10/3/2013

LM Start	3.59	Rating **	M	Issue No.	286 (cont)
LM End	3.59	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_23007_39070.jpg



Pipe visible on LS toe.

Photo 2 of 2 : UCIP_FA_2016_23007_39069.jpg



Pipe visible on LS toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.60	Rating **	M	Issue No.	292
LM End	3.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945952 °	39.945952 °
				-122.054259 °	-122.054259 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39836 DS_ID:24688 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. Brush should be removed from flapgate outlet. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through the levee, 6-feet below the crown. Flap gate on the waterward end. FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_39836_39073.jpg



Pipe visible on LS toe.

LM Start	3.60	Rating **	M	Issue No.	292 (cont)
LM End	3.60	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_39836_39072.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.60	Rating **	U	Issue No.	287
LM End	3.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945928 °	39.945928 °
				-122.054305 °	-122.054305 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41126					
DS_ID:24689					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate does not fully close. Needs brush cleared away from outlet.					
FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 7-feet below the crown. Flap gate on the waterward end.					
Concrete headwall on LS toe.					
FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_41126_39076.jpg



Pipe visible at headwall on LS toe.

LM Start	3.60	Rating **	U	Issue No.	287 (cont)
LM End	3.60	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41126_39075.jpg



Flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

No Photos

View of the erosion caused by livestock along the landside slope.

Page 22 of 26

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.75	Rating **	M	Issue No.	285
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.944460 °	39.944460 °
				-122.053930 °	-122.053930 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23094
DS_ID:20763
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Erosion on WS toe.
FIELD_STRUCT_DESC: 12-inch concrete stormdrain pipe, through the levee, 2-feet below the crown.
FS Date: 10/3/2013

LM Start	3.75	Rating **	M	Issue No.	285 (cont)
LM End	3.75	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_23094_39307.jpg



Concrete pipe at inlet on LS toe.

Photo 2 of 2 : UCIP_FA_2016_23094_39306.jpg



Concrete pipe at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.75	Rating **	M	Issue No.	284
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.944426 °	39.944426 °
				-122.054045 °	-122.054045 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23092
DS_ID:24691
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Outlet substantially blocked at WS toe. No permit identified for this crossing.
FIELD_STRUCT_DESC: 10-inch concrete irrigation pipe through the levee 2.0-feet below the crown. Slide gate at terminal end of concrete channel on LS shoulder.
FS Date: 10/3/2013

LM Start	3.75	Rating **	M	Issue No.	284 (cont)
LM End	3.75	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_23092_39298.jpg



Slide panel at inlet on LS shoulder.

Photo 2 of 2 : UCIP_FA_2016_23092_39297.jpg



Pipe outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.75	Rating **	M	Issue No.	16
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.944407 °	39.944407 °
				-122.054104 °	-122.054104 °
DWR ID	DWR_NA0019_01_f _ 2016_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_78_16_20161107_00058.jpg



View of a bush obstructing visibility.

LM Start	3.80	Rating **	M	Issue No.	5
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944135 °	39.944135 °
				-122.054788 °	-122.054788 °
DWR ID	DWR_NA0019_01_s_2012_5				
Comment Code					
PR : Prunings					
Inspector Comment					
4/26/16, changed from LS to WS.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	4.10	Rating **	U	Issue No.	280
LM End	4.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.941002 °	39.941002 °
				-122.058711 °	-122.058711 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21743 DS_ID:20762 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Gate missing from WS toe. FIELD_STRUCT_DESC: 24-inch CMP drain pipe through the levee 5.5- feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-built drawing No. 50-4-2394. FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_21743_36942.jpg



Inlet on LS toe.

LM Start	4.10	Rating **	U	Issue No.	280 (cont)
LM End	4.10	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_21743_36941.jpg



Concrete headwall at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.89
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/26/2016 - 4/26/2016		10/24/2016 - 10/24/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.23	Rating **	M	Issue No.	13
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.970598 °	39.970598 °
				-122.013053 °	-122.013053 °
DWR ID	DWR_NA0019_02_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_13_20161107_00013.jpg



View of a tree with new thick growth blocking visibility.

LM Start	0.30	Rating **	M	Issue No.	2
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970305 °	39.970305 °
				-122.014465 °	-122.014465 °
DWR ID	DWR_NA0019_02_s_2012_2				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_2_20160823_00001.jpg



View of debris and wire at the toe of levee.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.31	Rating **	M	Issue No.	18
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.970256 °	39.970256 °
				-122.014471 °	-122.014471 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40789 DS_ID:24683 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch galvanized iron communication conduit through the levee at an unknown depth. Pipe visible on upstream side of bridge. FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2016_40789_39057.jpg



Communication line access box on WS shoulder.

LM Start	0.31	Rating **	M	Issue No.	18 (cont)
LM End	0.31	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_40789_39056.jpg



Communication line access box on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.32	Rating **	M	Issue No.	11
LM End	0.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970193 °	39.970188 °
				-122.014738 °	-122.015034 °
DWR ID	DWR_NA0019_02_s_2016_11				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete-lined.					

Photo 1 of 1 : FA_2016_NA0019_79_11_20160823_00006.jpg



View of a concrete-lined ditch along the levee toe.

LM Start	0.34	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970210 °	39.970210 °
				-122.015198 °	-122.015198 °
DWR ID	DWR_NA0019_02_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_4_20160823_00003.jpg



View of the concrete pile along the waterside toe.

LM Start	0.35	Rating **	M	Issue No.	14
LM End	0.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970153 °	39.970153 °
				-122.015194 °	-122.015194 °
DWR ID	DWR_NA0019_02_f_2016_14				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_14_20161107_00014.jpg



View of the firewood along the waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.35	Rating **	M	Issue No.	7
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970117 °	39.970117 °
				-122.015365 °	-122.015365 °
DWR ID	DWR_NA0019_02_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_7_20160823_00005.jpg



View of a building along the levee toe.

LM Start	0.64	Rating **	M	Issue No.	15
LM End	0.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.968704 °	39.968704 °
				-122.020172 °	-122.020172 °
DWR ID	DWR_NA0019_02_f_2016_15				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.68	Rating **	U	Issue No.	17
LM End	0.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.968818 °	39.968818 °
				-122.020904 °	-122.020904 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41123 DS_ID:20771 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Debris blocking proper function of flapgate on WS toe. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 8.3 feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-builts drawing 50-4-2394. FS Date: 10/1/2013					

Photo 1 of 2 : UCIP_FA_2016_41123_36902.jpg



Concrete headwall at LS toe.

LM Start	0.68	Rating **	U	Issue No.	17 (cont)
LM End	0.68	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41123_36901.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.85	Rating **	M	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.968165 °	39.967766 °
				-122.023828 °	-122.024620 °
DWR ID	DWR_NA0019_02_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DEC_0-9_R]					

No Photos

LM Start	1.28	Rating **	M	Issue No.	6
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.964883 °	39.964883 °
				-122.030655 °	-122.030655 °
DWR ID	DWR_NA0019_02_s_2012_6				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_6_20160823_00004.jpg



View of the firewood along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.37	Rating **	M	Issue No.	3
LM End	1.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.963997 °	39.963997 °
				-122.032030 °	-122.032030 °
DWR ID	DWR_NA0019_02_f_2013_3				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_79_3_20160823_00002.jpg



View of the debris along the waterside slope.

LM Start	1.45	Rating **	A/W	Issue No.	16
LM End	1.89	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.941493 °	39.937676 °
				-122.064035 °	-122.072275 °
DWR ID	DWR_NA0019_02_f_2016_16				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remainder of Unit No. 2 levee is not accessible due to the lack of easement and the landowner will not allow DWR access.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 04 Elder Creek			Left	3.98
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/26/2016 - 4/26/2016		10/24/2016 - 10/24/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Ryan Teubert		Ryan Teubert	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.64	Rating **	U	Issue No.	919
LM End	0.64	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051702 °	40.051702 °
				-122.177308 °	-122.177308 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41125 DS_ID:20880 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flapgate operation hindered by soil and vegetation on WS toe. FIELD_STRUCT_DESC: 2 of 2: 36-inch CM drain pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall on waterward end. Concrete "U" headwall on landward end. Originally included in USACE O+M manual (1963). As-built drawing No. 50-4-3622. FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_41125_37061.jpg



Concrete U-shaped headwall on LS toe.

LM Start	0.64	Rating **	U	Issue No.	919 (cont)
LM End	0.64	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_41125_37060.jpg




Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi


Photo 1 of 1 : FA_2016_NA0019_81_13_20161107_00026.jpg



10/24/2016


View of a tree with overhanging branches.

Photo 1 of 1 : FA_2016_NA0019_81_26_20161107_00027.jpg



View of the annual vegetation along the waterside crown and slope.

Photo 1 of 1 : FA_2016_NA00019_81_27_20161107_00028.jpg



View of the slope instability caused by vehicles.

Thursday, December 08, 2016 11:12 **FINAL DATA** Page 2 of 17

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.39	Rating **	M	Issue No.	16
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051493 °	40.051493 °
				-122.164935 °	-122.164935 °
DWR ID	DWR_NA0019_04_f_2014_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_16_20160823_00010.jpg



View of the slope instability caused by vehicles along the waterside slope.

LM Start	1.39	Rating **	M	Issue No.	28
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051521 °	40.051521 °
				-122.164877 °	-122.164877 °
DWR ID	DWR_NA0019_04_f_2016_28				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	M	Issue No.	5
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_NA0019_04_s_2016_5				
Comment Code					
Inspector Comment					
2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_1-4_L]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.44	Rating **	M	Issue No.	29
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051785 °	40.051785 °
				-122.164075 °	-122.164075 °
DWR ID	DWR_NA0019_04_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_29_20161107_00029.jpg



View of the slope instability caused by vehicles along the waterside slope.

LM Start	1.59	Rating **	M	Issue No.	3
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607 °	40.052705 °
				-122.161418 °	-122.161442 °
DWR ID	DWR_04_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.					

Photo 1 of 2 : FA_2016_NA0019_81_3_20160823_00003.jpg



View of the levee slope damaged by vehicle traffic.

LM Start	1.59	Rating **	M	Issue No.	3 (cont)
LM End	1.59	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_NA0019_81_3_20161107_00030.jpg



View of a dip along the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.23	Rating **	M	Issue No.	918
LM End	2.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.052063 °	40.052063 °
				-122.150450 °	-122.150450 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23051 DS_ID:24695 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiber optic line through the levee at an unknown depth below the crown. Signage on LS visible. FS Date: 10/3/2013					

Photo 1 of 1 : UCIP_FA_2016_23051_39135.jpg



Fiber optic line markers off LS shoulder.

LM Start	2.28	Rating **	M	Issue No.	917
LM End	2.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.052379 °	40.052379 °
				-122.149534 °	-122.149534 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23045					
DS_ID:24694					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch gasline through the levee 3.5-feet below the crown. Pipe visible on upstream side of bridge.					
FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_23045_39106.jpg



Gasline on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.28	Rating **	M	Issue No.	917 (cont)	
LM End	2.28	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			40.052379 °		40.052379 °
				-122.149534 °		-122.149534 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23045						
DS_ID:24694						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 4-inch gasline through the levee 3.5-feet						
below the crown. Pipe visible on upstream side of bridge.						
FS Date: 10/3/2013						

Photo 2 of 2 : UCIP_FA_2016_23045_39105.jpg



Gasline on upstream side of bridge.

LM Start	2.30	Rating **	C	Issue No.	18
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052415 °	40.052415 °
				-122.149208 °	-122.149208 °
DWR ID	DWR_NA0019_04_s_2012_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.41	Rating **	M	Issue No.	14
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.052443 °	40.053737 °
				-122.147236 °	-122.144744 °
DWR ID	DWR_NA0019_04_f_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.43	Rating **	M	Issue No.	20
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052417 °	40.052417 °
				-122.146747 °	-122.146747 °
DWR ID	DWR_NA0019_04_s_2012_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

A photograph of a road construction site. In the foreground, there is a large pile of dark gravel. To the right, a trench has been dug into the ground, revealing some rebar or reinforcement. A wooden post with a white sign is visible on the right side of the trench. The background shows a paved road and some construction equipment. A date stamp '10/25/2013' is visible in the bottom right corner.

View of the slope instability caused by vehicles along the landside slope.

LM Start	2.51	Rating **	M	Issue No.	2
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052872 °	40.052872 °
				-122.145495 °	-122.145495 °
DWR ID	DWR_NA0019_04_s_2012_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

A photograph showing a gravel road intersection. A blue survey marker is visible on the left side of the road. The date 10/24/2016 is printed in the bottom right corner of the image.

View of the slope instability caused by vehicles along the landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.58	Rating **	M	Issue No.	32
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.053767 °	40.053767 °
				-122.144719 °	-122.144719 °
DWR ID	DWR_NA0019_04_f_2016_32				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_32_20161107_00034.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.63	Rating **	M	Issue No.	15
LM End	2.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054337 °	40.054337 °
				-122.144235 °	-122.144235 °
DWR ID	DWR_NA0019_04_s_2015_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 2 : FA_2016_NA0019_81_15_20160823_00008.jpg



View of the prunings along the landside toe.

LM Start	2.63	Rating **	M	Issue No.	15 (cont)
LM End	2.63	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2016_NA0019_81_15_20160823_00009.jpg



View of the prunings along the landside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054352 °	40.054352 °
				-122.144245 °	-122.144245 °
DWR ID	DWR_NA0019_04_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	2.69	Rating **	C	Issue No.	19
LM End	2.69	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.055020 °	40.055020 °
				-122.143562 °	-122.143562 °
DWR ID	DWR_NA0019_04_s_2015_19				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the debris from the waterside slope.					

No Photos

LM Start	2.83	Rating **	M	Issue No.	916
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.055596 °	40.055985 °
				-122.141322 °	-122.141385 °
DWR ID	DWR_NA0019_04_s_2012_916				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_916_20161107_00035.jpg



View of the slope instability caused by vehicles along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.01	Rating **	M	Issue No.	17
LM End	3.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.056448 °	40.056448 °
				-122.139302 °	-122.139302 °
DWR ID	DWR_NA0019_04_f_2014_17				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2016_NA0019_81_17_20160823_00011.jpg



View of the prunings along the landside slope.

LM Start	3.01	Rating **	M	Issue No.	10
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.056388 °	40.056388 °
				-122.139168 °	-122.139168 °
DWR ID	DWR_NA0019_04_s_2012_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_10_20160823_00005.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	3.02	Rating **	M	Issue No.	33
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056388 °	40.056388 °
				-122.139003 °	-122.139003 °
DWR ID	DWR_NA0019_04_f_2016_33				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.04	Rating **	M	Issue No.	34
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056353 °	40.056353 °
				-122.138656 °	-122.138656 °
DWR ID	DWR_NA0019_04_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.05	Rating **	M	Issue No.	35
LM End	3.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.056405 °	40.056935 °
				-122.138438 °	-122.138029 °
DWR ID	DWR_NA0019_04_f_2016_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2016_NA0019_81_35_20161107_00036.jpg



LM Start	3.09	Rating **	N	Issue No.	36
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.056825 °	40.056825 °
				-122.138088 °	-122.138088 °
DWR ID	DWR_NA0019_04_f_2016_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
5 tree stumps					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.11	Rating **	M	Issue No.	1
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057083 °	40.057291 °
				-122.137935 °	-122.137743 °
DWR ID	DWR_NA0019_04_s_2012_1				
Comment Code					
ST : Stairway					
Inspector Comment					
Remove conctere blocks, concrete pipes, and concrete stairs from the landside slope.					

Photo 1 of 1 : FA_2016_NA0019_81_1_20160823_00001.jpg



View of the concrete stairways on the slope.

LM Start	3.13	Rating **	M	Issue No.	25
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.057350 °	40.057350 °
				-122.137667 °	-122.137667 °
DWR ID	DWR_NA0019_04_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_25_20160823_00019.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	3.29	Rating **	M	Issue No.	37
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057685 °	40.057685 °
				-122.134770 °	-122.134770 °
DWR ID	DWR_NA0019_04_f_2016_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.31	Rating **	M	Issue No.	38
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057590 °	40.057590 °
				-122.134508 °	-122.134508 °
DWR ID	DWR_NA0019_04_f_2016_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.31	Rating **	M	Issue No.	6
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057558 °	40.057558 °
				-122.134417 °	-122.134417 °
DWR ID	DWR_NA0019_04_s_2012_6				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_81_6_20160823_00004.jpg



View of the garbage and metal along the landside slope and toe of the levee.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain


+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

Photo 1 of 1 : FA_2016_NA0019_81_39_20161107_00037.jpg




View of the blackberries along the landside slope blocking visibility and access.

Photo 1 of 1 : FA_2016_NA0019_81_40_20161107_00038.jpg



View of the annual grass along the landside slope.

Photo 1 of 1 : FA_2016_NA0019_81_21_20160823_00015.jpg



View of the prunings along landside toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.69	Rating **	M	Issue No.	7
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.78	Rating **	C	Issue No.	23
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055207 °	40.054225 °
				-122.127735 °	-122.126085 °
DWR ID	DWR_NA0019_04_s_2015_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.78	Rating **	C	Issue No.	22
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055162°	40.053915°
				-122.127713°	-122.125412°
DWR ID	DWR_NA0019_04_s_2015_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.79	Rating **	C	Issue No.	24
LM End	3.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055060 °	40.053917 °
				-122.127602 °	-122.125412 °
DWR ID	DWR_NA0019_04_s _ 2015_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion on the crown roadway. Overtopped in 2014. DWR FSRP repair contract in place per LMA on 4/26/2016.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/26/2016 - 4/26/2016		10/24/2016 - 10/24/2016	
DWR Inspector	Keith Millard		Tariq Chechi	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.50	Rating **	M	Issue No.	22
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.050585 °	40.050585 °
				-122.182972 °	-122.182972 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41124					
DS_ID:20801					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 5.2 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on the waterward and landward ends. Originally included in USACE O+M Manual (1963). As-built drawing 50-4-3622					
FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_41124_36953.jpg



Concrete headwall on WS toe.

LM Start	0.50	Rating **	M	Issue No.	22 (cont)
LM End	0.50	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41124_36952.jpg



Inlet at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.80	Rating **	C	Issue No.	16
LM End	0.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.050694 °	40.050702 °
				-122.177481 °	-122.177448 °
DWR ID	DWR_NA0019_05_f_2014_16				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the chip prunings from the landside toe.					

No Photos

LM Start	0.94	Rating **	A/W	Issue No.	8
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051360 °	40.052361 °
				-122.175063 °	-122.173450 °
DWR ID	DWR_NA0019_05_f_2015_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grout the rodent the holes. Rodents appeared in holes in center of crown and on LS slope on 4/26/16.					

Photo 1 of 1 : FA_2016_NA0019_82_8_20160823_00003.jpg



View of the rodent holes along the landside slope.

LM Start	1.51	Rating **	C	Issue No.	13
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.050653 °	40.050653 °
				-122.165495 °	-122.165495 °
DWR ID	DWR_NA0019_05_f_2015_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the vehicle erosion long the landside slope. On 4/26/16 no damage was observed on levee. Should be monitored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.41	Rating **	M	Issue No.	14
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.051274 °	40.051274 °
				-122.150113 °	-122.150113 °
DWR ID	DWR_NA0019_05_f_2016_14				
Comment Code					
DE : Debris					
Inspector Comment					
Pile of broken concrete pipes on the waterside.					

Photo 1 of 1 : FA_2016_NA0019_82_14_20161107_00016.jpg



View of the broken pipes along the waterside slope.

LM Start	2.41	Rating **	M	Issue No.	21
LM End	2.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051336 °	40.051336 °
				-122.149991 °	-122.149991 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23052 DS_ID:24692 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Underground fiber optic line through the levee at an unknown depth. Sign markers on LS shoulder. FS Date: 10/3/2013 9:02:00 AM					

Photo 1 of 2 : UCIP_FA_2016_23052_39137.jpg



Fiber optic line markers on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.41	Rating **	M	Issue No.	21 (cont)	
LM End	2.41	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			40.051336 °		40.051336 °
				-122.149991 °		-122.149991 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23052						
DS_ID:24692						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: Underground fiber optic line through the levee						
at an unknown depth. Sign markers on LS shoulder.						
FS Date: 10/3/2013 9:02:00 AM						

Photo 2 of 2 : UCIP_FA_2016_23052_39136.jpg



Fiber optic line markers on LS shoulder.

LM Start	2.47	Rating **	M	Issue No.	20
LM End	2.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051667 °	40.051667 °
				-122.149033 °	-122.149033 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23044 DS_ID:24693 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch gasline through the levee 2.5-feet below the crown. Pipe visible on upstream side of bridge. FS Date: 10/3/2013					

Photo 1 of 2 : UCIP_FA_2016_23044_39104.jpg



Gasline on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.47	Rating **	M	Issue No.	20 (cont)	
LM End	2.47	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			40.051667 °		40.051667 °
				-122.149033 °		-122.149033 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23044						
DS_ID:24693						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 4-inch gasline through the levee 2.5-feet						
below the crown. Pipe visible on upstream side of bridge.						
FS Date: 10/3/2013						

Photo 2 of 2 : UCIP_FA_2016_23044_39103.jpg



Gasline on upstream side of bridge.

LM Start	2.48	Rating **	M	Issue No.	15
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051706 °	40.051676 °
				-122.148758 °	-122.146247 °
DWR ID	DWR_NA0019_05_f_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_82_15_20161107_00017.jpg



View of the annual grass along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.65	Rating **	M	Issue No.	2
LM End	2.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051778 °	40.052243 °
				-122.145745 °	-122.144825 °
DWR ID	DWR_NA0019_05_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_82_2_20160823_00001.jpg



View of the landscaping along the slope.

LM Start	3.01	Rating **	M	Issue No.	1
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_NA0019_05_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_3-0_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.12	Rating **	M	Issue No.	11
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055632 °	40.055607 °
				-122.138910 °	-122.138868 °
DWR ID	DWR_NA0019_05_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.12	Rating **	M	Issue No.	17
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.055500 °	40.055500 °
				-122.138841 °	-122.138841 °
DWR ID	DWR_NA0019_05_f_2016_17				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.30	Rating **	M	Issue No.	9
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056831 °	40.054862 °
				-122.136365 °	-122.129279 °
DWR ID	DWR_NA0019_05_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					


No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

Photo 1 of 1 : FA_2016_NA0019_82_10_20160823_00004.jpg



View of the erosion along the landside slope.

Photo 1 of 1 : FA_2016_NA0019_82_7_20160823_00002.jpg



View of the erosion along the landside slope.

Photo 1 of 1 : FA_2016_NA0019_82_19_20161107_00018.jpg



View of the erosion along the landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.76	Rating **	U	Issue No.	18
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054829 °	40.054829 °
				-122.129329 °	-122.129329 °
DWR ID	DWR_NA0019_05_f_2016_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2016_NA0019_82_18_20161107_00019.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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